

2. (Amended) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule further comprises a microsatellite sequence.

3. (Amended) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule further comprises a region having a single nucleotide polymorphism.

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4. (Amended) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule comprises a nucleic acid molecule having a nucleic acid sequence of SEQ ID NO: 1 or a complement thereof.

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6. (Amended) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule further comprises a promoter or partial promoter region.

Please add the following new claims:

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20. (New) The substantially purified nucleic acid molecule according to claim 4, wherein said nucleic acid molecule comprises a nucleic acid molecule consisting of a nucleic acid sequence of SEQ ID NO: 1 or a complement thereof.

21. (New) A substantially purified first nucleic acid molecule comprising a fragment nucleic acid sequence having from about 50 to about 100 nucleotide residues; wherein said fragment nucleic acid sequence exhibits complete complementarity to a second nucleic acid molecule comprising a nucleic acid sequence of SEQ ID NO: 1 or complement thereof.

22. (New) The substantially purified first nucleic acid molecule according to claim 21, wherein said second nucleic acid molecule consists of a nucleic acid sequence of SEQ ID NO: 1 or a complement thereof.